

मापदण्ड ६: पाठ्यक्रमले तोके बमोजिमको पूर्वाधार, सामग्रीहरू र प्रयोगात्मक अभ्यासको व्यवस्था
(Physical Facilities for Practical)

Program:- Diploma in Bio-Medical Equipment Engineering

SN	Item to be supervised	Yes	No	Remarks
1	Human Anatomy & Physiology and Bio-Medical Chemistry Lab			
a)	Space (1 sq meter / student) (for 12 students at a time)			
b)	Full size human skeleton*			
c)	Chart/ diagram of different parts/organs and systems			
d)	Models of different parts/organs and systems*			
e)	Analytic lab equipments			
2	Electrical Engineering Drawing Room			
a)	Space (1 sq meter / student) (for 12 students at a time)			
b)	Drawing Board			
c)	Tools and equipments as per min requirements*			
3	Computer Programming & Logic Circuit , Data Communication and Networking Lab			
a)	Space (1sq meter / student) (for 12 students at a time)			
b)	Number &Condition of Computer.			
c)	Microprocessors and Microcontroller Program Language 8085 and 8086 Assembly Language kit			
d)	Server PC(1 PC)			
e)	Client PC* (standard:12 PC, according to the student number, Max 2 students/1 PC, OS: Windows)			
f)	Printer			
g)	Multimedia Projector			
h)	Network*			
i)	Program Language C for each PC*			
j)	Related Training Kit/ Bread Board with DC Power supply and necessary electronics component			
4	Workshop Technology Lab			
a)	Space (1 sq meter / student) (for 12 students at a time)			
b)	Machine & Equipments (Drill Machine, Bench Vice, Lathe, Welding Machine)			
c)	Tools and equipments as per min requirements and tool box for individual student*			
d)	Safety Devices (Apron, goggles, gloves etc.)			

5	Bio-Medical Instrumentation and Bio-Medical Equipment Maintenances Lab		
a)	Space (1 sq meter / student) (for 12 students at a time)		
b)	Related Medical Equipment as per curriculum (incubator, oven, oxygen concentrator, colorimeter, patient monitor, defibrillator, ECG, Anesthesia Machine etc.)*		
c)	Simulators and Analyzers		
d)	Tools and equipments as per requirements*		
e)	X-Ray Machine Min 100mA		
f)	Safety Devices (Safety Tester etc.)		
6	Electrical circuit & machine, Electronics, Electrical measurement System Lab		
a)	Space (1 sq meter / student) (for 12 students at a time)		
b)	Oscilloscope and function generator*		
c)	Multimeter		
d)	Electronic components as per curriculum		
e)	Electronics training kit/ bread board with DC power supply		
f)	Tools and equipments as per requirements (Transformers, Motors, 3 phase System etc.)*		

**Critical*